

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number	10522320
Filing Date	2005-10-17
First Named Inventor	John L. Schenk
Art Unit	1657
Examiner Name	Tiffany M. Gough
Attorney Docket Number	XY-Optimum-USNP

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1	United States Application Number: 11/092,313, Response to Election filed by Applicant on 9/11/2006	<input type="checkbox"/>
2	United States Application Number: 11/092,313, Office Action dated 10/6/2006	<input type="checkbox"/>
3	United Sates Application Number: 11/092,509, Office Action dated 07/21/2006	<input type="checkbox"/>
4	Garner, D.L. et al., Viability Assessment of Mammalian Sperm Using SYBR-14 and Propidium Iodide, 1996, Biology of Reproduction, Vol.53, pp 276-284	<input type="checkbox"/>
5	Salisbury, G.W. et al., Substrate-Free Epididymal-Like Bovine Spermatozoa, J Repord Fertil, 1963, Vol. 6, pp. 351-359	<input type="checkbox"/>
6	Wong, P.Y.D., et al. Potassium Movement During sodium-Induced Motility Initiation in the Rat Caudal Epididymal Spermatozoa; Biology of Reproduction 28, 206-212 (1983)	<input type="checkbox"/>
7	Shirai, H., et al. Regulation of Sperm Motility in Starfish; Development, Growth, and Differentiation; 24, (5), 419-428 (1982)	<input type="checkbox"/>
8	Padilla, A.W. et al. Extender and Centrifugation Effects on the Motility Patterns of Slow-Cooled Stallion Spermatozoa; J. Anim. Sci 1991, 69:3308-3313	<input type="checkbox"/>
9	Ohta H., et al., Acquisition and Loss of Potential for Motility Of spermatozoa of the Japanese Eel Anguilla Japonica, National Research Institute of Aquaculture, Nansei, Mie	<input type="checkbox"/>
10	Morisawa, M. The Process of the Initiation of Sperm Motility; Laboratory of Physiology, Ocean Research Institute, University of Tokyo	<input type="checkbox"/>
11	McGrady, A.V., et al. Cholinergic Effects on Bull and Chimpanzee Sperm Motility; Biology of Reproduction 15, 248-253 (1976)	<input type="checkbox"/>

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12	Klinc, P. Dissertation - Improved Fertility of Flowcytometrically Sex Selected Bull Spermatozoa , School of Veterinary Medicine Hanover Germany, 2005	<input type="checkbox"/>
13	Jones, J.M. et al Acidification of Intracellular pH in Bovine Spermatozoa Suppresses Motility and Extends Viable Life, Journal of Andrology, Vol. 21, No. 5, September/October 616-624	<input type="checkbox"/>
14	Jenkins, A. D., et al. Concentrations of Seven Elements in the Intraluminal Fluids of the Rat Seminiferous Tubules, ReteTestis, and Epididymis; Biology of Reproduction 23, 981-987 (1980)	<input type="checkbox"/>
15	Darszon, A., et al. Ion Channels in Sperm Physiology, Physiological Reviews, Vol. 27, No. 2, April 1999	<input type="checkbox"/>
16	Christen, R., et al. Metabolism of Sea Urchin Sperm, the Journal of Biological Chemistry, Vol 25, NO. 9, Issue of May 10, pp.	<input type="checkbox"/>
17	Babcock, D. F., et al. Potassium-dependent increases in cytosolic pH stimulate metabolism and motility of mammalian sperm, Proc. Natl. Acad. Sci. USA, Vol. 80, pp. 1327-1331, March 1983	<input type="checkbox"/>
18	Zilli, L., et al. Adenosine Triphosphate Concentration and β -D-Glucuronidase Activity as Indicators of Sea Bass Semen Quality; Biology of Reproduction 70,1679-1684 (2004) Published online before print 11 February 2004.	<input type="checkbox"/>
19	Hanania, E. G, et al. A novel Automated Method of Scanning Cytometry and Laser-Induced Necrosis Applied to Tumor Cell Purging, Blood. 15 November 1999, Vol. 94, No. 10, suppl 1 part 1	<input type="checkbox"/>
20	Purdy, P. H. et al., Effect of Adding Cholesterol to Bull Sperm Membranes on Sperm Capacitation, the Acrosome Reaction, and Fertility, Biology of Reproduction 71, 522-527 (2004)	<input type="checkbox"/>
21	Purdy, P. H. et al., Effect of cholesterol-loaded cyclodextrin on the cryosurvival of bull sperm, Cryobiology 48 (2004) 36-45	<input type="checkbox"/>
22	Moce E., et al., Cholesterol-loaded cyclodextrins added to fresh bull ejaculates improve sperm cryosurvival, J. Anim. Sci, 2006, 84:826-833	<input type="checkbox"/>

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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Nicole A. Ressue/	Date (YYYY-MM-DD)	2007-01-18
Name/Print	Nicole A. Ressue	Registration Number	48,665

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